Operating instructions
Mode d'emploi
Instrucciones de manejo

Accessories TV
Accessoires TV
Accesorios TV

– ARS Network Mediaplayer 2100

233–33749.000

LOEWE.

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english

français

español

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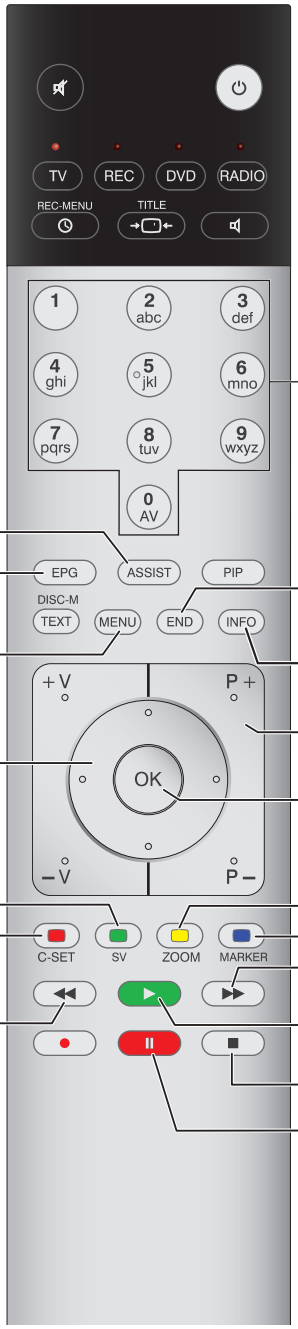
Remote control – MediaNetwork functions



(page 4)..... Go to Assist+ menu

(page 6).... Enter separation points for IP address/Subnet Mask

(page 8)..... Go to MediaNetwork-Menu

Select object/go to menu item
(page 11) ..... PHOTO: Rotate picture

(page 7)..... Order by ...
(page 12, 14) ..... VIDEO / MUSIC: Repeat

(page 14) ..... Screen off/on
(page 6)..... Search for server
(page 6)..... Delete IP address/Subnet Mask

(page 4)..... In the media overview: One level back
(page 10) ..... PHOTO: Previous file
(page 12) ..... VIDEO: Rewind
(page 14) .....MUSIC: Previous title

Enter a static IP address/Subnet Mask..... (page 6)

Media overview: Back to media selection..... (page 4)
Media selection: Exit MediaNetwork..... (page 7)
PHOTO: Show/hide screen information ..... (page 10)
VIDEO: Show status bar..... (page 12)

Show Device Information ..... (page 9)
Information on multimedia file ..... (page 10, 12, 14)

P+/P- Change page up/down..... (page 10, 12, 14)

Adopt selection ..... (page 4)
In the picture overview: Full screen mode on/off..... (page 10)

Delete last digit of IP address/Subnet Mask ..... (page 6)
Change view..... (page 7)
MUSIC: Random on/off ..... (page 14)
PHOTO: Zoom picture ..... (page 11)

Go to page ... . (page 7)

PHOTO/MUSIC: Next file..... (page 10, 14)
VIDEO: Fast forwards..... (page 12)

Start/continue playback/slide show ..... (page 10, 12, 14)

Stop playback/slide show..... (page 10, 12, 14)

Pause playback/slide show..... (page 10, 12, 14)

Welcome

About MediaNetwork

Your Loewe TV set is equipped with the Network Mediaplayer. This enables you to play multimedia contents (photos, music files, videos), which are provided by a media server in your home network (see also page 17). The Network Mediaplayer can play data from different types of memory media (e.g. PCs, Network Attached Storages (NAS), Internet radio), depending on the type of media server used.

You can connect your TV set **wired** (Ethernet, PowerLine) to your home network.

The Network Mediaplayer supports UPnP AV standard.
You will find more detailed information in the technical data on page 17 and in the glossary from page 18.

All photos, albums and album graphics shown in these operating instructions are just examples.

Help for problems with home network

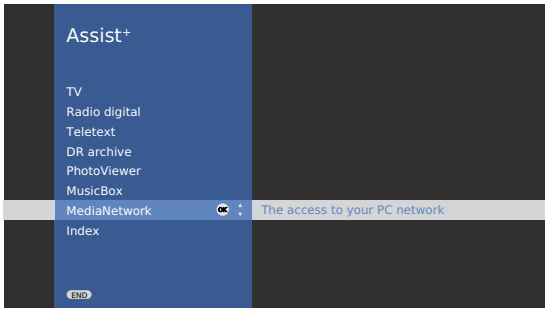
Because of the wide variety of configurations of home networks, Loewe cannot provide support for PC hardware and software or network components.
For support with configuration of and maintaining network connections, storage media and network devices, such as routers (positions ④ and ⑤ in the connection examples on page 5) please contact the administrator of your network and/ or the specialist retailer.

Access to the MediaNetwork

Start the MediaNetwork using the Assist+ menu.

ASSIST — Go to Assist+ menu.

OK — ▲ ▼ Mark **MediaNetwork**, call with **OK**.



Selection of menu items

OK — Use the **arrow buttons** ▲ ▼ ◀ ▶ to move the marker on the user interface.

Use the **OK button** to select or adopt the object you have currently marked.

◀◀ — Use the ◀◀ **button** to go back up a level respectively.

END — With the **END button** you return from any item in the menu overview to the media selection (page 7).

This screen symbol shows you that the required operating function is currently not available.

Exit MediaNetwork

ASSIST — Go to Assist+ menu and select another function (see above).

Or:

TV RADIO — Press **TV** or **RADIO button** to change to the corresponding type of operation.

Or:

END — Press **END button** in the media selection (page 7) to change to the last previously active type of operation (TV, radio).

Initial installation

Connecting TV set and home network

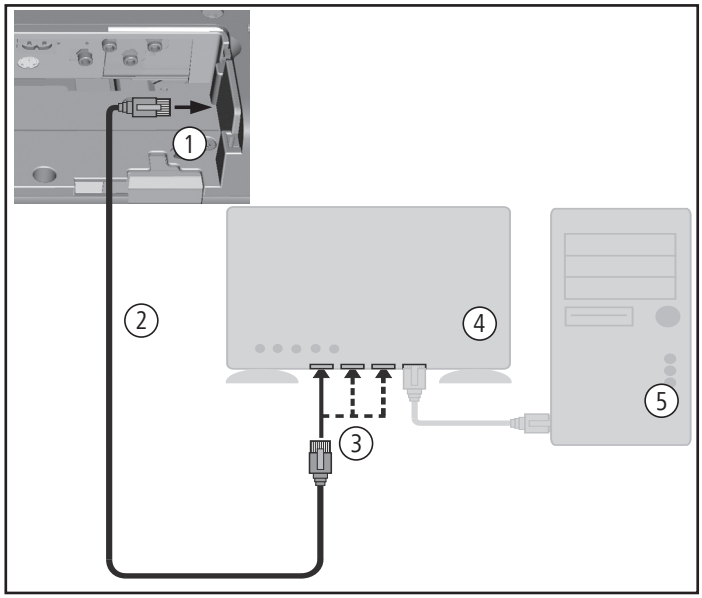
(1) Network socket on Loewe TV set

(2) (3) Wired connection between TV set and home network with a network cable (available from specialist retailers)

(4) LAN switch/router

(5) Home server, e.g. PC

Example of wired connection

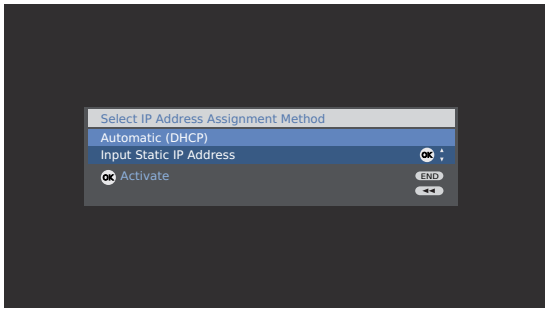


Initial installation

The first time MediaNetwork is called up, initial installation is started.

Select IP Address Assignment Method

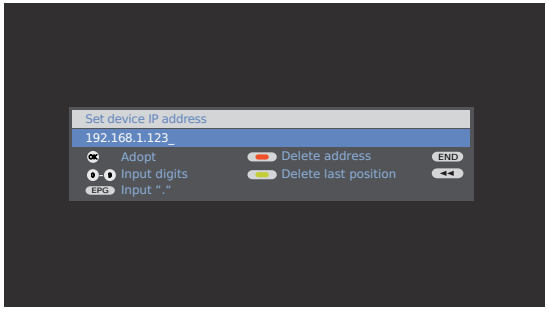
▲ ▼ **Select IP Address Assignment Method**.
OK Activate.



Automatic (DHCP): IP addresses are automatically issued by a DHCP server on your home network.

➠ A DHCP server has to be set up on a device on the network (e.g. router).

Input Static IP Address: IP addresses are entered manually.



Digit buttons: Input digits of IP address.

EPG: Enter dots.

Function of coloured buttons:
Yellow: Delete last position.
Red: Delete address.

OK: **Adopt** IP address.

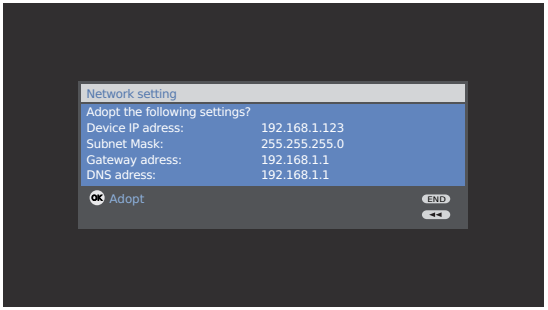
Proceed similarly with the subsequent entry of the further IP addresses of Subnet Mask, Gateway and DNS server.

Network setting

Afterwards you will see a summary of the settings.

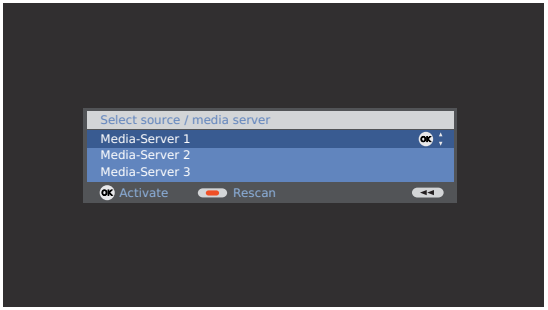
OK Adopt settings.

Backwards step by step for changes.



Select server

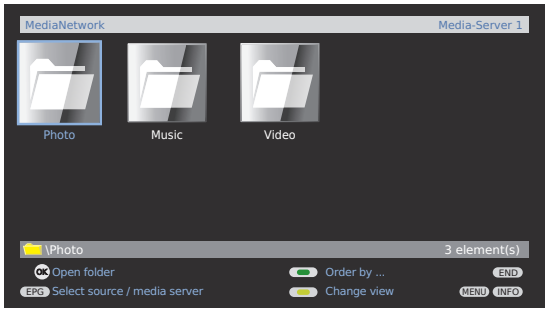
Lastly, select the media server from which you want to draw the data.



▲ ▼ **Select media server**.
OK Activate.

If your required media server should not be found the first time, then you can press the **red button** to **Rescan** for media servers.

Media selection



MediaNetwork starts with the media selection. Select the media type you want.

Select media type

◀ ▶ Select required media folder,
OK confirm and go to the respective overview.

Photo operation: see page 10.
Video operation: see page 12.
Music operation: see page 14.

MediaNetwork-Menu

MENU **MENU:** Open MediaNetwork-Menu.

Exit MediaNetwork

END **END:** Exit MediaNetwork for last previously active mode (TV, Radio).

Function of buttons in the media selection

Green button: Order by ...
Change order objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

Yellow button: Change view
Switches between preview and list view:

Example: Photo operation, preview

Example: Photo operation, list view

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

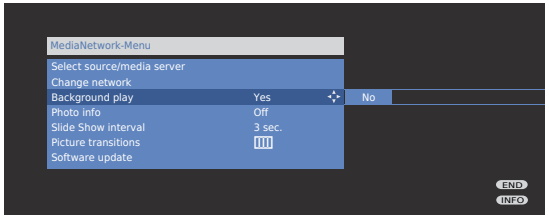
➠ Only available if there are more objects than can be displayed.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

EPG **EPG:** Select another media server.

MediaNetwork-Menu

You can make a few settings in the **MediaNetwork-Menu** to adapt MediaNetwork to your requirements.



OK ▲ ▼ Select menu item.
◀ ▶ or
OK Adopt settings.

INFO Call **Device Information** (see page 9).

END Leave MediaNetwork-Menu and adopt settings.

Explanation of setting options in the MediaNetwork-Menu

Select source/ media server	You can select your desired media server in the current network, e.g. if several servers are active in the network.
Change network	Here you can designate a new network.
Background play	Select **Yes** to continue to play back music files that were being played back even if you are no longer in the music view (e.g. as background music for a slide show in photo operation). The setting also effects the playing back of music tracks (see page 15).
Photo info	Select **On**, to always have the photo information (file name and number of files in folder) shown with **Full screen display** or **Slide show** (photo operation see page 10).
Slide Show interval	Select how long each picture is to be shown for during a slide show. The display time can be 2, 3, 5, 10, 30 and 60 seconds.
Picture transitions	There is a choice of three different photo transitions for changing slides. You can also have the photo transitions run in sequence.
Software update	See right hand column.

Software update

It is possible to update the MediaNetwork software on your TV set. A software update can be installed on your set over the Internet.

➠ The TV set must have a working Internet connection with designated gateway and DNS server (see page 6 and glossary page 18).

The web address for the software update over the Internet is preset in the set.

Start software update

OK ▲ ▼ Select **Software update**,
OK start update.

If a new software version is available:

OK **OK** Load software.

➠ The TV set must not be switched off while the software is loading!

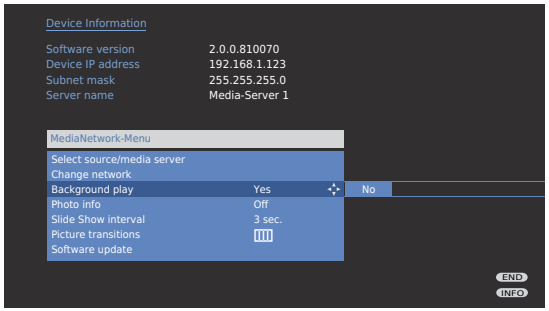
END End update dialogue.

Operating convenience

Device Information

➠ MediaNetwork menu is open (page 8).

INFO Open **Device Information**.



This window provides you all information about your network connection that is currently active.

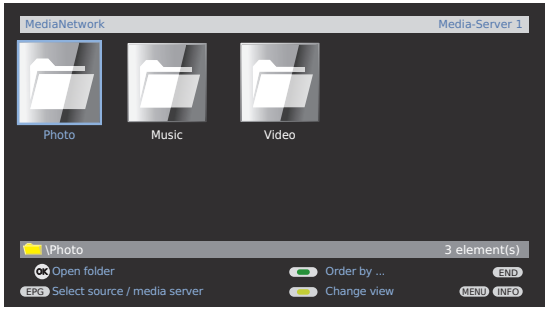
Explanation of display items

Software version	The currently installed software version of your Network Mediaplayer.
Device IP address	Your current IP address.
Subnet mask	Your current subnet mask.
Server name	The name of the currently selected media server.

Media overview – photo operation

➠ Media selection is shown (page 7).

◀ ▶ Select folder with photos,
OK open folder.



➠ The name of the folder depends on your media server setting (in example picture: **Photo**).

▲ ▼ ◀ ▶ Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up/down.

➠ Only available if more objects are available in the current folder than can be displayed.

OK View marked picture in full screen mode (see next page).

MENU **MENU:** Open **MediaNetwork-Menu** (see page 8).

Green button: Order by ...
Change order of objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview, the first title on each page respectively is shown.

➠ Only available if there are more objects than can be displayed.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Operating convenience

Full screen mode

➠ A picture has been selected in the photo overview.

OK Go to/close full screen mode.

Show previous/next picture.

◂ ▸ Rotate picture by 90 degrees to the left/right.

➠ Photos shown in a slide show (see right hand column) can only be turned to view in the pause mode.

Yellow button: Zoom picture.
Enlargement factors x2, x4, and x8 are possible.
Press the key several times.
At the 4th press return to original size.

Select photo section in zoom mode with ▲ ▼ ◂ ▸.
Exit the zoom mode to the photo overview with **OK** or the **STOP button**.

INFO: Show/hide context information (e.g. recording date, camera model used, picture format etc.).

END: Temporarily show/hide file names and number of files in the folder.

➠ Permanent display of this information can be set in the MediaNetwork-Menu (page 8).

Slide show

PLAY button: Start slide show.

➠ from photo overview: Start slide show with marked picture.

➠ in full screen mode: Start slide show with displayed picture.

PAUSE button: Pause slide show.

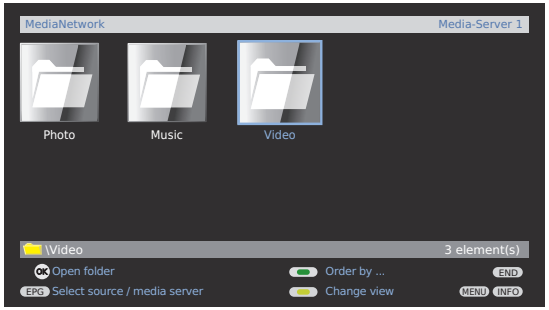
PLAY button: Continue slide show.

STOP button: Stop slide show and return to overview.

Media overview – video operation

➠ Media selection is shown (page 7).

◀ ▶ Select folder with videos,
OK open folder.



➠ The name of the folder depends on your media server setting (in example picture: **Video**).

▲ ▼ ◀ ▶ Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up/down.

➠ Only available if more objects are available in the current folder than can be displayed.

OK Play marked video (see next page).

MENU: Open **MediaNetwork-Menu** (see page 8).

Green button: Order by ...
Change order objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➠ Only available if there are more objects than can be displayed.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Operating convenience

Play back video files

PLAY button or

OK Play marked file.

Green button: Set playback mode:

Repeat title / Repeat all / Repeat off.

A message on the corresponding playback mode is shown briefly at the bottom edge of the picture.

INFO: Display information on video played.

PAUSE button: Pause current playback.

PLAY button: Continue playback.

STOP button: Stop current playback and return to overview.

Wind

You can fast-forward/rewind videos to search for desired scenes.

Rewind at double speed.
Press again for four times speed.

Fast-forward at double speed.
Press again for four times speed.

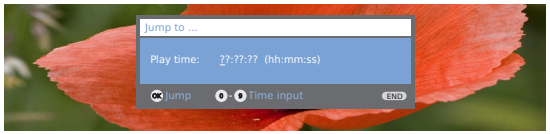
OK Continue playing at the marked position.

END: Abort search and continue playing at the starting point of the winding process.

Jumping

You can jump to any point in the video via time input.

Yellow button: Open **Jump to...** dialogue.



Enter the desired time with the **numeric buttons**.

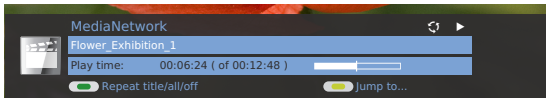
OK Jump.

END: Cancel jump.

Video status bar

The video status bar provides you with further information about the current playback.

END: Show video status bar.



Explanation of status bar symbols

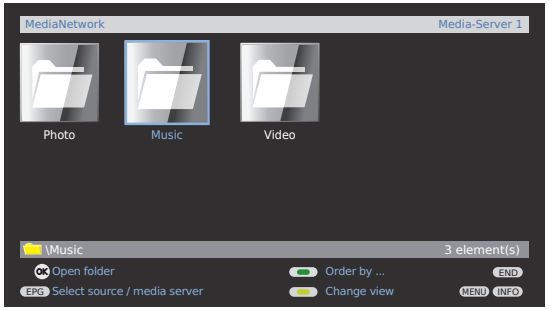
- ▶ Playback
- ⏸ Pause
- ◀◀ Rewind (double or four times speed)
- ▶▶ Fast-forward (double or four times speed)
- ↻ Repeat title
- ↻ Repeat all

The bar behind the **play time** shows you how far the video has been played.

Media overview – music operation

➠ Media selection is shown (page 7).

◄ ► Select folder with music files,
OK open folder.



➠ The name of the folder depends on your media server setting (in example picture: **Music**).

▲ ▼ ◄ ► Select required sub-folder,
OK open folder. If required, repeat.

P+/P- Page up/down.

➠ Only available if more objects are available in the current folder than can be displayed.

OK Play marked music file (see next page).

MENU **MENU:** Open **MediaNetwork-Menu** (see page 8).

Green button: Order by ...
Change order objects displayed (folders or files).

➠ The sorting options available depend on the media server that you are using.

Yellow button: Change view
Switches between preview and list view.

Blue button: Go to page ...
Alternatively to going through pages you can also go directly to the individual pages on the overview. On the **Go to page ...** overview the first title on each page respectively is shown.

➠ Only available if there are more objects than can be displayed.

➠ The number of pages depends on the view selected (preview or list). You can see the number at the bottom on the left.

Operating convenience

Playback of music files

OK or

PLAY button: Play marked file.

PAUSE button: Pause current playback.

PLAY button: Continue paused playback.

STOP button: Stop playback and return to overview.

Playback previous/next title.

INFO: Show information on marked/played music file (metadata).

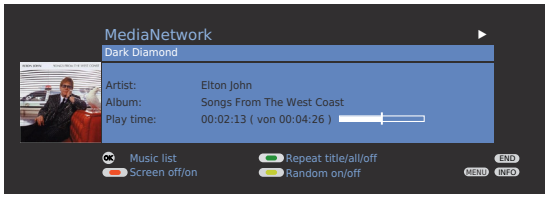
END button: The function is dependent on the menu setting **Background play** (page 8).

Background play → No: End playback and return to overview.

Background play → Yes: Return to overview to select another title. The current playback is not interrupted by doing this.

Return to playback window of the current title.

In the additional information (metadata) of a music file, graphics can be stored as an album cover. If there are such graphics available for the piece currently being played, then this connection is shown in the picture.



Music playback with album cover

Function of coloured buttons during music playback

Red: Switch **Screen off/on**.

Green: **Repeat** individual **title**/**all** titles/ Repeat **off**.

Yellow: **Random** play of files in currently selected folder **on/off**.

➠ **Random** and **title** repeat cannot be activated at the same time.

Explanation of the symbols in the playback window

- ▶ Playback
- ⏸ Pause
- Repeat title
- Repeat all
- Random play activated

The bar behind the **play time** shows you how far the music file has been played.

Internet radio

Several media servers give you the option of making internet radio programmes available apart from multimedia contents (e.g. TwonkyMedia, see section **Media server software** on page 17).

Internet Radio programmes that are available are also shown in the **Music** folder of the media overview. The precise name of the folder or file depends on the setting of the media server and on the Internet Radio station.

Troubleshooting

Problem	Possible cause	Remedy
The TV set is not getting any connection to the server. On the main screen **Connect** is shown and the Connectivity display does not light up.	a) No connection to the media server.	a1) Check whether the media server is switched on. a2) Press **OK** to make a new attempt at connecting. a3) Check the connection using the PING command. To do this, in the entry request on your PC, enter the command ping.exe, followed by the IP address of your TV set. You will find the current IP address in the **Device Information** (see page 9). Example: **ping.exe 192.168.1.123** If the data packages are not transferred, then there is a problem with the network. a4) Check the arrangement of the cables. a5) Select another media server with the **EPG button**.
	b) On your PC with Windows XP several media servers run **at the same time**, e.g. **Windows Media Player** (WMP) **11** and **TwonkyMedia** (also see page 17).	b) If there are several media servers, they can impede each other. For example, when working with **TwonkyMedia** close file release by **WMP11**.
Your TV set does not have an IP assigned to it despite required type of IP assignment **Automatic (DHCP)**.	No DHCP server is working on your network.	Set up a DHCP server. Assign a fixed IP address for the TV set.
Despite video or music file being played back, no sound can be heard.	a) The TV set is set to mute or the volume has been turned down too far.	a) Increase the volume by pressing the **V+ button** on your remote control. This will also cancel any mute setting.
	b) An audio device that does not exist or that is not connected is registered in the **TV menu** under **Connections → Sound components** (e.g. **HiFi/AV amplifier**).	b) Connect up the audio device and switch it on. In the **Sound components wizard** change back to **TV speakers**.
Although the file is visible on the media server, it is not shown in MediaNetwork.	The file is not being made available by your media server.	Change your media server. Read up about this in the section "Media server software" on page 17.
A media file that is displayed can not be played back.	The format of the file is not supported (see also limitations in section **File formats supported** on page 17).	No remedy.

Technical specifications

File formats supported

Pictures: **JPG**, **PNG**, **BMP**

- Picture files may generally not exceed a size of **6MB**.
- Photos in Bitmap format (**BMP**) are supported if not compressed in 8 bit and 24 bit (not RLE) and only in Windows format.
- Photos in **Progressive JPEG** format may not exceed a resolution of 1024x768 pixels.

Music: **MP3**, **WAV** (without ADPCM), **WMA 8/9** (compressed), **LPCM**, **AAC-LC**

Video: **MPEG 1/2/4**, **WMV 9/HD**, **DivX® Video**, **Xvid**

- **This device can not play back any DRM protected contents.**
- **In individual cases it is possible that media files can not be played back due to the numerous available technical design and editing options.**

Ethernet (wired network)

Standards supported: 10 Mbit/s Ethernet (10Base-T), 100 Mbit/s Fast Ethernet (100Base-T)

Supported home network standard

Universal Plug and Play Audio / Video (UPnP AV)

Media server software

To play multimedia contents from devices in your home network, you require media server software which makes the relevant files available to you. Handling of individual files depends on the technical properties and also on the media server software used.

On our homepage at www.loewe-int.de you can download a test version of the **TwonkyMedia Media server**. With your TV set you have simultaneously acquired the option if obtaining a free license for this media server. Alternatively to that, you can also use other media software such as the **Windows Media Player (WMP) as of version 11**.

For communication with your PC, certain **port addresses** of the network connection are required. They may not be blocked by a firewall if there is one, otherwise this could cause serious connection errors.

Windows Media Player 11 requires the port addresses 1900 and the block of 10280 up to and including 10284 (all for UDP) as well as 2869 and 10243 (both for TCP). For TwonkyMedia the port addresses 1030, 1900 and 9080 (all for UDP) and 9000 (for TCP) must be available.

Other ports to be kept free depend on the operating system you are using.

Contact your network administrator about configuring the firewall.

Legal notices

The screen font "LoeweL2700" is based on the "Tavmjong Bah Arev (tavmjong.free.fr)" font, which in turn is based on "Bitstream Vera". Bitstream Vera is a trademark of Bitstream Inc.

This set contains a software which is based partly on the work of the Independent JPEG Group.

DivX and the corresponding DivX logos are registered trademarks of DivX, Inc

Masthead

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Glossary

A

Administrator: Person who administers the network, i.e. takes care of setting up and maintaining all components belonging to the network.

AVI: Abbreviation for Audio Video Interleave, a video container file format developed by Microsoft. A single AVI video file can contain several audio, video and text data streams (thus the name container format).

B

BMP: Abbreviation for Bitmap, a grid graphics format designed for Microsoft Windows and OS/2 that is wide spread and therefore supported by almost every popular graphics software package without any problems.

C

Client: Also referred to as network client; describes an end device such as your TV set that is connected to the network and gets data from a (media) server to make it accessible to the user.

D

DHCP: Abbreviation for Dynamic Host Configuration Protocol. DHCP allows automatic assignment of IP addresses with the aid of a DHCP server.

DHCP server: Network service which takes care of automatic assignment of IP addresses to clients.

DivX: Video Codec which allows even large files to be relatively highly compressed in their file size without having to tolerate important quality losses.

DNS: Abbreviation of Domain Name System. Readable names (e.g. www.loewe-int.de) are assigned to numerical **IP addresses**. DNS servers are responsible for the resolution of readable addresses into the corresponding IP addresses.

DRM: Digital Rights Management. Processes to control copyright protected data. To be used correctly, DRM protected contents require not only a DRM capable device but also the possession of a license issued by the provider (to be paid for).

E

Ethernet: Cable linked data net technology for local networks (LANs). Also covers standards for e.g. plug connectors and transfer speeds.

G

Gateway: Transfer into another network; in this case connection from home network to Internet.
The network device is usually used as the standard gateway which produces this connection. The DSL router generally also represents the Internet gateway.

H

Host: Computer that the server services are provided from, i.e. that makes data available. Refer also to media server.

I

ID3 tags: Additional information on MP3 files. Here you can save information on the artist, title, album and album cover. This data is then processed by the PC using an ID3 tag editor.

IP address: IP addresses (Internet Protocol Addresses) are used to identify devices in an Internet Protocol (IP) network. IP addresses are made up of four groups of numbers of three digits each.

J

JPEG/JPG: Joint Photographic Experts Group. A body that has developed a standardised process for compressing digital images. This process JPEG (abbreviated to **JPG**) that was named after the body is a wide spread graphics format for photos.

L

LAN: Abbreviation for Local Area Network. Mainly used as a name for networks with cabling (Ethernet).

M

MAC address: Hardware address of a network adapter, e.g. the network card in the PC. It is permanently assigned by the manufacturer and is used to uniquely identify devices in networks.

Mbit/sec: Information about the transfer rate in networks in megabits, i.e. millions of characters per second.

Media server: Stands for the device which multimedia contents are stored on, but is also the name for the service provided by the device that makes this data available to the network.

MP3: Data format for compressed audio data.

Multimedia contents: Videos, music files and photos are grouped together under this term.

Glossary

N

NAS: Abbreviation for Network Attached Storage. The term describes a hard disk which is independently linked to the network (i.e. without a PC).

Network Mediaplayer: The technology in your Loewe TV set which presents multimedia contents on the screen for you.

P

PNG: Abbreviation for Portable Network Graphics, a freely available grid graphics format for loss-free compression.

Port: A port is part of a network address (or also IP address). It allows assignment of data packages to various services which are running on one device under the same network address.

R

Router: Device for connecting up several networks, e.g. home network and Internet.

S

Switch: Device for connecting several computers to a network.

U

UPnP AV: Abbreviation for Universal Plug and Play Audio / Video. Is used to control network devices from all manufacturers. Has become a wide spread standard for home networking.

W

Wired network: see LAN.

WMA: Abbreviation for Windows Media Audio, Microsoft own audio data format. As with MP3 files, the content is compressed here as well.

WMV: Abbreviation for Windows Media Video, Microsoft own video data format.

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